

MY

518,604

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



17 DEC 2004



(43) International Publication Date  
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number  
**WO 2004/000256 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 7/42**,  
C07D 235/18, 263/57, C07G 77/388, C08K 5/34

(21) International Application Number:  
PCT/EP2003/003634

(22) International Filing Date: 8 April 2003 (08.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02014158.6 25 June 2002 (25.06.2002) EP

(71) Applicant (for all designated States except US): **DSM IP  
ASSETS B.V.** [NL/NL]; Het Overloon 1, NL-6411 TE  
Heerlen (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HUBER, Ulrich**  
[CH/CH]; Foehrenstrasse 12, CH-8703 Erlenbach (CH).

(74) Agents: **TEIPEL, Stephan et al.; LEDERER & KELLER**,  
Prinzregentenstrasse 16, 80538 München (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: **BENZOXAZOLE AND BENZODIAZOLE UV-A SUNSCREENS**

(57) Abstract: The present invention relates to 1,3- benzoxazole or benzodiazole UV-A sunscreens and to compositions, in partic-  
ular topical compositions, containing the above UV-A sunscreens.

WO 2004/000256 A1